**Advanced Operating Systems: Project2**

**Instructions to run the program (Java):**

a) Copy code into net machines. BasicConfig.txt has all information required to run the algorithm.

b) Open a terminal (putty) for a node that does the validation -> compile using:

javac ReplicaMain.java and run using: java ReplicaMain.java

c) For each node, run using : java ReplicaMain.java

**Files used :**

1) BasicConfig.txt

2) ReplicaMain.java

3) Server.java

4) ChildThread.java

5) Message.java

6) Votes.java

7) GenerateOperations.java

8) Lock.java

**Notes:**

Process 0 is the generator node which generates random Read and Write operations for different processes. There will be 60 % Read operations and 40% Write operations. Each node will have two operations to perform. The generated operations will be stored in OpFile.txt. There are two files FileABC and FileXYZ for the file system.

The testing procedure will check for Replica Consistency and no mutually exclusive operations are running at the same time. Process 0 will be performing the testing procedure.

Machine used to run the program : netXX.utdallas.edu (XX from 01 to 45)